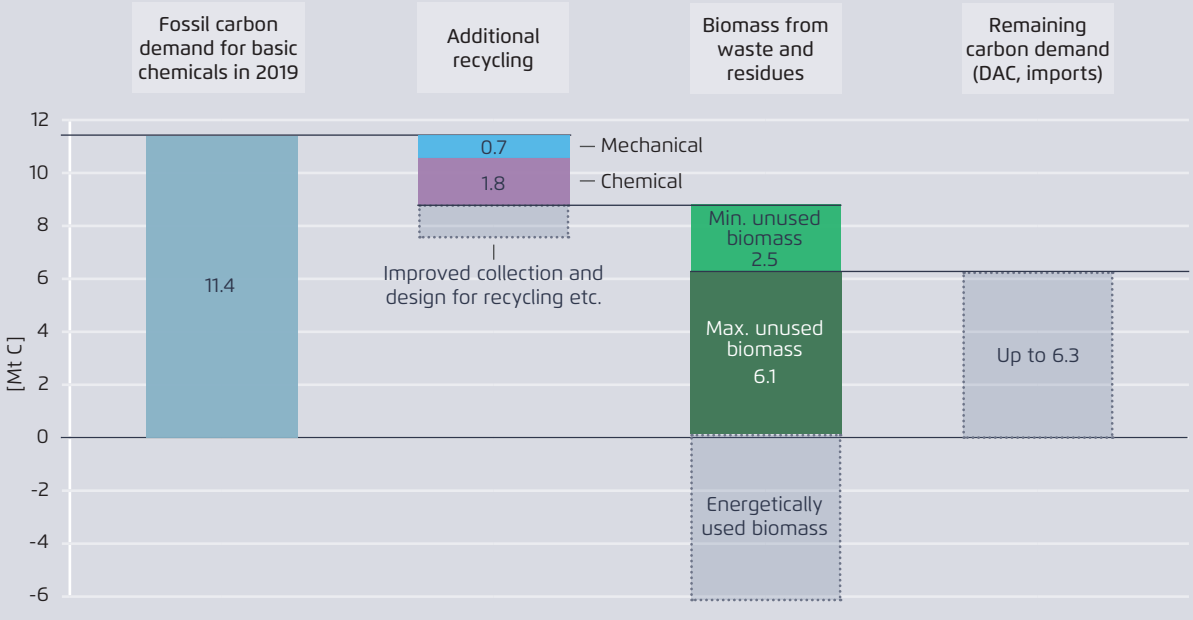
Mobilising the potentials of a circular economy and of waste and residue biomass as a carbon source for chemicals in Germany

Figure 22



Agora Industry and Carbon Minds (2023). Carbon demand based on basic chemicals production in 2019 (VCI 2021). Estimated recycling potential based on a maximum post-consumer-waste-to-product recycling rate of of 35% for mechanical recycling and 40% for chemical recycling according to Agora Industry (2022b); biomass potential based on 2015 data (DFBZ 2019); carbon content of biomass of 50% assumed; average process efficiency of biomass to chemicals of 36% assumed.